# PATENT COOPERATION Th. ATY

From the	INTERNA	TIONAL	BURFAU

### **PCT**

#### **NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT

2011 South Clark Place Room CP2/5C24

Arlington, VA 22202

Date of mailing (day/month/year) 08 February 2001 (08.02.01)	in its capacity as elected Office		
International application No.	Applicant's or agent's file reference		
PCT/US00/11943	22310/04019		
International filing date (day/month/year)	Priority date (day/month/year)		
01 May 2000 (01.05.00)	30 April 1999 (30.04.99)		
Applicant			
BHADRA, Niloy et al			

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	29 November 2000 (29.11.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not  made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under
	Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Juan Cruz

Telephone No.: (41-22) 338.83.38

Form PCT/IB/331 (July 1992)

Facsimile No.: (41-22) 740.14.35

US0011943



From the 'I'MITERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: JEANNE E. LONGMUIR
CALFEE, HALTER & GRISHOLD LLP
1400 MCDONALD INVESTMENT CENTER
800 SUPERIOR AVENUE
CLEVELAND, OHIO 44114

### **PCT**

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

29 JUN 2001

Applicant's or agent's file reference

22310/04019

PCT/US00/11943

IMPORTANT NOTIFICATION

International application No.

01' MAY 2000

Priority Date (day/month/year)

30 APRIL 1999

Applicant

BHADRA, NILOY

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.

International filing date (day/month/year)

- 2. A copy of the report and its annexes, if any, is being transmitted to the International Luceau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

JUL 0 2 7351

THE P. DEPT

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks Box PCT

Washington, D.C. 20231

Facsimile No. (703) 305-3230

PAUL J. HIRSCH

JUL - 2 2001

Telephone No.

Authorized

(703) 308-0858

B. IP. Depr.



## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	T		······································
Applicant's or agent's file reference 22310/04019	FOR FURTHER ACTION		cation of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/n	nonth/year)	Priority date (day/month/year)
PCT/US00/11943	01 MAY 2000		. 30 APRIL 1999 ·
International Patent Classification (IPC) or national classification and IPC IPC(7): A61B 17/56 and US Cl.: 606/86, 102			
Applicant BHADRA, NILOY			
This international preliming     Examining Authority and is	ary examination report has transmitted to the applicant	been preparaccording to	ed by this International Preliminary Article 36.
2. This REPORT consists of a	total of sheets.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			g rectifications made before this Authority.
These annexes consist of a to	otal of sheets.		·
3. This report contains indication	ns relating to the following it	ems:	8
I 🔀 Basis of the repo	rt		
. 🕰	, , , , , , , , , , , , , , , , , , ,		
II Priority			
III X Non-establishmen	III X Non-establishment of report with regard to novelty, inventive step or industrial applicability		
IV Lack of unity of	IV Lack of unity of invention		
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents	cited		
VII Certain defects in	the international application		
VIII X Certain observation	ns on the international applicat	ion	
·			
			·
			· · · · · · · · · · · · · · · · · · ·
Date of submission of the demand	Date	of completion	n of this report
29 NOVEMBER 2000 22 MAY 2		22 MAY 2001	
Name and mailing address of the IPEA  Commissioner of Patents and Trade Box PCT  Washington, D.C. 20231	marks	orized officer	SCH SCH
Facsimile No. (703) 305-3230		Telephone No. (703) 308-0858	



International application No.

PCT/US00/11943

I.	Ba	sis of	the report		
1.	With	regard	to the elements of the interr	national application:*	
-	x	•	ternational application a		·
			scription:		
	X		1-14/3		as originally filed
			NONE		
		pages		, filed with the letter of	
		Pages		,	
	$\mathbf{x}$	the cl	aims:		
	تني	pages	15-19		, as originally filed
				, as amended (together with any s	
		pages	NONE		
		pages	NONE	, filed with the letter of	·
	_				
	X		awings:		
			1-11		
			NONE		, filed with the demand
		pages	NONE	, filed with the letter of	
			11. 11. 1. 0.11	1	
	X		quence listing part of the		as asisimally filed
		pages	NONE		filed with the demand
		pages	NONE	filed with the letter of	, med with the demand
		pages	NONE	, filed with the letter of	
		the lan	guage of the translation fu	the international application (under Rule 48.3(b)). mished for the purposes of international preliminary exar	
		or 55.3	•		
				or amino acid sequence disclosed in the international d out on the basis of the sequence listing:	application, the international
		contai	ned in the international	application in printed form.	
٠		filed t	ogether with the interna-	tional application in computer readable form.	
		furnis	hed subsequently to this	Authority in written form.	
		furnis	hed subsequently to this	Authority in computer readable form.	
		The st	atement that the subsequentional application as filed	ently furnished written sequence listing does not go be I has been furnished.	eyond the disclosure in the
			atement that the informatio	on recorded in computer readable form is identical to the	writen sequence listing has
4	x	The a	mendments have resulte	d in the cancellation of:	
•		X	the description, pages	NONE	
		X	the claims, Nos.	NONE	
		x	the drawings, sheets/fig	NONE	
5		This r	eport has been drawn as if	(some of) the amendments had not been made, since they	have been considered to go
		beyon	nd the disclosure as filed, as	s indicated in the Supplemental Box (Rule 70.2(c)).**	
:	in th	acemen his repo 70.17)	ort as "originally filed" and	nished to the receiving Office in response to an invitation und are not annexed to this report since they do not contact	der Anicle 14 are referred to in amendments (Rules 70.16
				h amendments must be referred to under item I and an	nexed to this report.



Ш.	I. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been and will not be examined in respect of:				
		the entire international application.			
2	x]	claims Nos. <u>12-14</u>			
		because:			
		the said international application, or the said claim Nos. relate to the following subject matter which does not require international preliminary examination (specify).			
	•				
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify).			
		the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.			
	x	no international search report has been established for said claims Nos. 12-14.			
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:					
	the written form has not been furnished or does not comply with the standard.				
, [		the computer readable form has not been furnished or does not comply with the standard.			



V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
l. stat	ement			
1	Novelty (N)	Claims Claims	1-11 NONE	YES NO
1	Inventive Step (IS)	Claims Claims	1-11 NONE	YES NO
1	Industrial Applicability (IA)	Claims Claims	1-11 NONE	YES NO
Claim method fork ji	d and apparatus for utilizing a kit compris	ticle 33(2)-(4 sing a centeri	i), because the prior art does not teach or fairly suggest the ing jig, a first magnet insetion tool, a second insertion tool a in addition thereof of utilizing the apparatus and in conjunction	and a
	·			
NONE	 B			
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International application No. PCT/US00/11943

#### VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claims 1-11 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because the claims are indefinite for the following reason(s):

A. Claim 1, line 1 lacks proper antecedence for "said first

bone".

B. Claim 2, line 5, "said hollow head for engagement" is

grammatically awkward.

C. Claim 4, line 1, "tools" should be singular.

D. Claim 5, line 1, "provides" is idiomatically awkward in

meaning.

E. Claim 7, line 2, "having a front surface and a back

surface" appears as a double recitation of line 1.

F. Claim 9, lines 28-29 lacks proper antecedence for "said manet system".

### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				
To: JEANNE E. LONGMUIR CALFEE, HALTER & GRISHOLD LLP 1400 MCDONALD INVESTMENT CENTER 800 SUPERIOR AVENUE CLEVELAND, OHIO 44114	PCT  NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION  (PCT Rule 44.1)			
	Date of Mailing (day/month/year) 2.9 NOV 2000			
Applicant's or agent's file reference	331101 2333			
22310/04019	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date			
PCT/US00/11943	(day/month/year) 01 MAY 2000			
Applicant BHADRA, NILOY				
DIADIA, NEO I				
1. X The applicant is hereby notified that the international Filing of amendments and statement under Artic	Il search report has been established and is transmitted herewith.			
The applicant is entitled, if he so wishes, to amend	the claims of the international application (see Rule 46):			
When? The time limit for filing such amenda	nents is normally 2 months from the date of transmittal of the more details, see the notes on the accompanying sheet.			
Where? Directly to the International Bureau of V 34, chemin des Colombo 1211 Geneva 20, Switze	ettes rland			
Facsimile No.: (41-22) 7				
For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith	al search report will be established and that the declaration under			
	) additional fee(s) under Rule 40.2, the applicant is notified that:			
applicant's request to forward the texts of bot	has been transmitted to the International Bureau together with the h the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest	t; the applicant will be notified as soon as a decision is made.			
4. Further action(s): The applicant is reminded of the following:				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the apploane all designated Offices which have not been elected because they are not bou 223100	t perform the pressible acts for entry into the national phase before the demanding in a page election in Due months for the page in the demanding months for the page in the			
Name and mailing address of the ISA/US  Action	PCA, Seazer offeron			
Commissioner of Patents and Trademarks Type: Box PCT	HAUL I_HIRSCH			
Washington, D.C. 20231	Talanhara Na. (702) 209 0959			
Facsimile No. (703) 305-3230	Telephone No. (703) 308-0858			

Form PCT/ISA/220 (July 1998)★

(See notes on accompanying sheet)

## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 22310/04019	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/220	Transmittal of International Search Report ) as well as, where applicable, item 5 below.
International application No.	International filing dat	e (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US00/11943	01 MAY 2000		30 APRIL 1999
Applicant BHADRA, NILOY			
This international search report has been according to Article 18. A copy is bein	n prepared by this Interna	ational Searching Au national Bureau.	thority and is transmitted to the applicant
This international search report consist	s of a total of 놀 sheet	s.	*
X It is also accompanied by a	copy of each prior art do	cument cited in this	report.
1. Basis of the report			
a. With regard to the language, the language in which it was filed	ne international search was	carried out on the ba	sis of the international application in the
the international search was Authority (Rule 23.1(b)).	s carried out on the basis	s of a translation of	the international application furnished to this
	and/or amino acid sequentiating and acid sequence listing:	ence disclosed in the i	international application, the international search
contained in the internation		form.	
filed together with the inte	mational application in co	omputer readable for	n.
furnished subsequently to this Authority in written form.			
furnished subsequently to	this Authority in compute	r readable form.	
international application as	filed has been furnished	•	es not go beyond the disclosure in the
2. Certain claims were four	d unsearchable (See Bo	x I).	
3. X Unity of invention is lack	ding (See Box II).		
4. With regard to the title,			
X the text is approved as sub	mitted by the applicant.		
the text has been establish	ed by this Authority to re	ad as follows:	
5. With regard to the abstract,			
the text is approved as sul	omitted by the applicant.		
the text has been establish Box III. The applicant may search report, submit com	ed, according to Rule 38.  y, within one month from ments to this Authority.	the date of mailing o	ty as it appears in f this international
6. The figure of the drawings to be	published with the abstrac	ct is Figure No. 2.	·
as suggested by the applic			None of the figures.
because the applicant faile	ed to suggest a figure.		
X because this figure better	characterizes the invention	n.	·

		<del></del>		
IPC(7) :	IPC(7) :A61B 17/56			
US CL :6	506/86, 102 International Patent Classification (IPC) or to both n	ational classification and IPC		
	DS SEARCHED	1 1 20 2 2 2 1 1 2		
_	cumentation searched (classification system followed	by classification symbols)		
	06/86, 102, 87			
Documentati	on searched other than minimum documentation to the	extent that such documents are included	in the fields searched	
Electronic d	ata base consulted during the international search (name	ne of data base and, where practicable,	search terms used)	
		•		
	·			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
Α	US 5,885,293 A (McDevitt) 23 March	1999, whole document	1	
A	US 5,709,658 A (Sirhan et al) 20 Janu	ary 1998, whole document	1	
A	US 5,616,147 A (Gadelius) 01 April 1997, whole document 1			
A	US 5,013,318 A (Spranza, III) 07 May 1991, whole document 1			
A	US 5,464,406 A (Ritter et al) 07 November 1995, whole document 1			
A	US 5,669,915 A (Caspar et al) 23 Septe	ember 1997, whole document	1.	
	*			
Furth	ner documents are listed in the continuation of Box C	. See patent family annex.		
	pecial categories of cited documents:	"T" later document published after the integrated and not in conflict with the app.	lication but cited to understand	
to	ocument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying the		
	urlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	ered to involve an inventive step	
ci	*L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  *Y*  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is			
'O' do	comment referring to an oral disclosure, use, exhibition or other cans	considered to involve an inventive combined with one or more other suc being obvious to a person skilled in	h documents, such combination	
·P· de	ocument published prior to the international filing date but later than the priority date claimed	*& document member of the same paten		
	Date of the actual completion of the international search  Date of mailing of the international search report			
17 OCTOBER 2000 2 9 NOV 2000				
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks  Authorized officer				
Box PCT	on, D.C. 20231	PAUL J. HIRSCH		
Facsimile 1		Telephone No. (703) 308-0858		

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
Please See Extra Sheet.			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is			
restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-11			
Remark on Protest The additional search fees were accompanied by the applicant's protest.			
No protest accompanied the payment of additional search fees.			

International application No. PCT/US00/11943

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A surgical tool set (50) is provided for the preparation of two living bones for the implantation of a medical device including a first portion magnet system and a second portion sensor system. The tool set also provides tools for implanting the magnet syustem and sensor system into living bone. The tool set includes a cebtering jig (70) and a fork shaped jig (190), as well as a magnet insertion tool (120) and a sensor insertion tool (170).

#### INTERNATIONAL SEARCH

International application No. PCT/US00/11943

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s)1-11, drawn to a surgical tool set. Group II, claim(s) 12, drawn to surgical centering jig.

Group III, claim(s) 13, drawn to surgical insertion tool.

Group IV, claim 14, drawn to a surgical sensor insertion tool.

The inventions listed as Groups I, II, III and IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: each of claim sets within the groups are drawn to distinct and separate structure not encompased by each of the remaining groups (claims) as listed, i.e., each group is drawn to distinct tools and/or tool sets.

#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## 

#### (43) International Publication Date 9 November 2000 (09.11.2000)

#### **PCT**

# (10) International Publication Number WO 00/65981 A3

(51) International Patent Classification7:

10

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(21) International Application Number: PCT/US00/11943

(22) International Filing Date: 1 May 2000 (01.05.2000)

(25) Filing Language:

English

A61B 17/56

(26) Publication Language:

English

(30) Priority Data: 60/131,811

30 April 1999 (30.04.1999) US

(71) Applicants and

(72) Inventors: BHADRA, Niloy [US/US]; 3358 DeSota Avenue, Cleveland Heights, OH 44118 (US). KEITH, Michael, W. [US/US]; 65 Meadow Hill Lane, Moreland Hills, OH 44022 (US). KILGORE, Kevin, L. [US/US]; 22960 Summerland, North Olmsted, OH 44070 (US). PECKHAM, P., Hunter [US/US]; 3361 E. Monmouth Road, Cleveland Heights, OH 44118 (US). STAGE, Thomas [US/US]; 1645 Rydalmount, Cleveland Heights, OH 44118 (US).

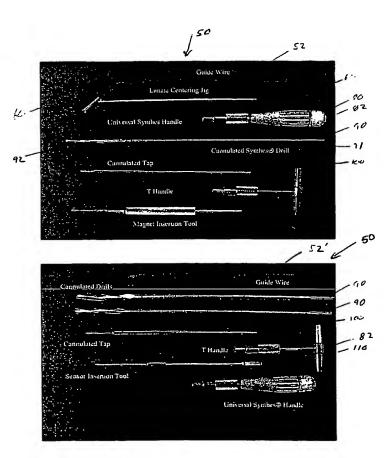
- (74) Agents: LONGMUIR, Jeanne, E. et al.; Calfee, Halter & Griswold LLP, 1400 McDonald Investment Center, 800 Superior Avenue, Cleveland, OH 44114 (US).
- (81) Designated States (national): AU, CA, US.
- (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

#### Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

[Continued on next page]

(54) Title: SURGICAL TOOLS



(57) Abstract: A surgical tool set (50) is provided for the preparation of two living bones for the implantation of a medical device including a first portion magnet system and a second portion sensor system. The tool set also provides tools for implanting the magnet system and sensor system into living bone. The tool set includes a cebtering jig (70) and a fork shaped jig (190), as well as a magnet insertion tool (120) and a sensor insertion tool (170).

WO 00/65981 A3

## WO 00/65981 A3



(88) Date of publication of the international search report: 1 February 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) :A61B 17/56			
118 01 - 406/86 102	ļ		
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 606/86, 102, 87			
Documentation searched other than minimum documentation to the extent that such documents are included	in the fields searched		
Documentation scatched outer man management of the property of			
Electronic data base consulted during the international search (name of data base and, where practicable,	search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
the relevant passages	Relevant to claim No.		
A US 5,885,293 A (McDevitt) 23 March 1999, whole document	1		
TIG 5 700 (50 A (Sixton of al) 20 Innuon; 1009, whole document	1		
A US 5,709,658 A (Sirhan et al) 20 January 1998, whole document	1		
A US 5,616,147 A (Gadelius) 01 April 1997, whole document	1		
A US 5,013,318 A (Spranza, III) 07 May 1991, whole document	1		
A US 5,464,406 A (Ritter et al) 07 November 1995, whole document	1		
A US 5,669,915 A (Caspar et al) 23 September 1997, whole document	] 1		
Further documents are listed in the continuation of Box C. See patent family annex.			
<ul> <li>Special categories of cited documents:</li> <li>To later document published after the in date and not in conflict with the appropriate to the second seco</li></ul>	pheation our cited to understand		
A document defining the general state of the art which is not considered the principle or theory underlying the	pe invention		
*E" earlier document published on or after the international filing date  "X" document of particular retreation, u considered novel or cannot be considered	lered to involve an inventive step		
*L. document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	he claimed invention cannot be		
special reason (as specified)  considered to involve an inventive combined with one or more other su	e step when the document is the documents, such combination		
means being obvious to a person skilled in	the art		
the priority date claimed			
Date of the actual completion of the international search  Date of mailing of the international search	outon report		
17 OCTOBER 2000 29 NOV 2000			
Name and mailing address of the ISA/US  Authorized officer			
Commissioner of Patents and Trademarks Box PCT PAUL J. ATIRSCH			
Washington, D.C. 20231 Facsimile No. (703) 305-3230 Telephone No. (703) 308-0858			

	ervations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This internation	onal report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Cl	aims Nos.: cause they relate to subject matter not required to be searched by this Authority, namely:
<sub>be</sub>	laims Nos.: ecause they relate to parts of the international application that do not comply with the prescribed requirements to such a extent that no meaningful international search can be carried out, specifically:
3.	claims Nos.: ecause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Ob	oservations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Interna	ational Searching Authority found multiple inventions in this international application, as follows:
Plea	se See Extra Sheet.
	the state and the state and the international search report covers all searchs
	As all required additional search fees were timely paid by the applicant, this international search report covers all searchs claims.
2.	claims.
2.	claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite paym of any additional fee.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite paym of any additional fee.  As only some of the required additional search fees were timely paid by the applicant, this international search report course.

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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application comains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s)1-11, drawn to a surgical tool set.

Group II, claim(s) 12, drawn to surgical centering jig.

Group III, claim(s) 13, drawn to surgical insertion tool.

Group IV, claim 14, drawn to a surgical sensor insertion tool.

The inventions listed as Groups I, II, III and IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: each of claim sets within the groups are drawn to distinct and separate structure not encompased by each of the remaining groups (claims) as listed, i.e., each group is drawn to distinct tools and/or tool sets.